AMENDMENTS TO THE CLAIMS:

Claims 1-49 (Cancelled)

Add new claims 50-55 as follows:

50. (New) A method for forming an image by a scanning charged particle apparatus, comprising steps of:

focusing a plurality of two dimensional images each at different focus points by detecting particles emitted from a sample using a scanning charged particle beam;

selecting the pixel having larger focus evaluation values than at least one other pixel at same coordinates of the two dimensional images; and

evaluating focus evaluation values of each pixel on the two dimensional images;

synthesizing the selected pixels two dimensionally for forming the image of a scanning range of the charged particle beam.

- 51. (New) A charged particle beam apparatus comprising:
- a charged particle source;
- a scanning deflector for scanning a charged particle beam emitted from the charged particle source on a sample;
 - an objective lens for adjusting a focus of the charged particle beam;
 - a detector for detecting particles emitted from the sample; and
- an image processor for forming an image based on the particles detected by the detector, wherein:

said image processor memorizes a plurality of two dimensional images on different focus points, selects a pixel having a larger focus evaluation value than at least one other

pixel at same coordinates of the two dimensional images, and forms the image by arranging the selected pixels two dimensionally.

- 52. (New) A charged particle beam apparatus comprising:
- a charged particle source;
- a scanning deflector for scanning a charged particle beam emitted from the charged particle source on a sample;

an objective lens for focusing the charged particle beam;

- a detector for detecting particles emitted from the sample; and
- a controller for adjusting the objective lens, wherein:

said controller calculates a focal depth of the charged particle beam and determines a focus change amount based on the calculated focal depth when the focus of the charged particle beam is changed sequentially.

- 53. (New) A charged particle apparatus as claimed in claim 52, wherein said controller calculates said focal depth based on image forming conditions.
- 54. (New) A charged particle apparatus as claimed in claim 53, wherein said image forming conditions include magnification of the image, an acceleration voltage of the charged particle beam, beam resolution, and/or a number of pixels of the image.

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55. (New) A charged particle apparatus as claimed in claim 52, wherein said controller has an input device for inputting a number of images, and determines the focus change amount based on said calculated focal depth and the number of images inputted.